

ABSTRACT

The aim of the present invention is to provide a method for attaching a protein to a conductive polymer, that can be used in particular for producing a sensor or a multisensor, for example a biochip.

This aim, and also others, are achieved, in accordance with the invention, by means of a method for attaching a protein to a pyrrole polymer, comprising the following steps:

- coupling of the protein to be attached with pyrrole so as to obtain a first solution of a protein-pyrrole coupling compound,
- preparation of a second solution of pyrrole not containing the protein,
- mixing of said first solution with said second solution so as to obtain an electropolymerization solution,
- electropolymerization of the pyrrole and of the protein coupled to the pyrrole on a conductive support using said electropolymerization solution.